

IN THE CLAIMS

Claim 1.(original) A seat for two-wheeled vehicles,  
such as bicycles, motorcycles and scooters,  
5 comprising a relatively soft saddle support (1) to  
bear the rider and a supporting structure (2, 3, 4  
and 5) by means of which said support is connected to  
the seat-carrying upright (11) of the vehicle,  
whereby between said supporting structure (2, 3, 4,  
10 5) and said upright (11) there is provided an  
oscillatable pin (10) and means suitable for  
preventing the oscillation of said pin (10) being  
provided between said pin (10) and said supporting  
structure (2, 3, 4, 5) characterized in that said pin  
15 (10) is extending in the longitudinal axis of the  
seat around which axis said relatively soft saddle  
support (1) can oscillate.

20 Claims 2-18 (cancelled)

Claim 19.(new) A seat in accordance with claim 1,  
comprising also means for adjusting the amplitude of  
25 the oscillation around the axis of said pin.

Claim 20. (new) A seat in accordance with claim 1,  
wherein said pin (10) is rigidly connected to said  
upright (11) and rotably connected to said supporting  
30 structure (2 and 3).

Claim 21. (new) A seat in accordance with claim 1,  
wherein said pin(10) is integral with said supporting  
structure (2, 3) and is connected to said upright  
35 (11) in such a manner as to be able to slide and  
turn.

Claim 22. (new) A seat in accordance with claim 21,  
wherein a tubular guide (31) within which said pin  
(10) is mounted in such a manner as to be able to  
slide and turn is integrally connected to said  
5 upright (11), means (37, 38, 42, 54, 55, 59) being  
provided for controlling the sliding of said pin  
within said tubular guide.

Claim 23. (new) A seat in accordance with claim 22,  
10 wherein said means for controlling the sliding of  
said pin within said tubular guide comprise pulling  
means (37, 38, 42, 54, 55) that extend between said  
upright and at least one end of said pin and are  
connected to a remote actuation device (39).

15 Claim 24. (new) A seat in accordance with claim 23,  
wherein said pin is threaded and said tubular guide  
is threaded on the inside, manual actuating means  
(59) being provided at one end of said pin to impart  
20 an angular displacement to said pin capable of  
causing the pin to slide within said guide.

Claim 25. (new) A seat in accordance with claim 1,  
wherein said means for locking the oscillation  
25 comprise an element (15) that slides on the  
supporting structure (3) and a seating (14a) integral  
with said pin (10), said sliding element being  
positioned on said structure in such a way as to be  
aligned with said seating to become engaged within it  
30 to lock the oscillation or to become disengaged  
therefrom to permit the oscillation.

Claim 26. (new) A seat in accordance with claim 21,  
wherein said means for locking the oscillation of the  
35 pin also make it possible to regulate the amplitude  
of the oscillation and comprise at least one sleeve  
(40) integral with said tubular guide (31) and  
coaxial with it and at least one sleeve (41) integral

with said pin and coaxial with it, the opposed ends of said sleeves being provided with complementary inclined surfaces (40a, 41a) that gradually become engaged with each other and reduce the oscillation  
5 possibility as the distance between them becomes smaller until they eventually come to constitute a perfect fit that locks every possibility of one end rotating with respect to the other.

10 Claim 27.(new) A seat in accordance with claim 26, wherein a first sleeve (40) with an inclined end (40a) is coaxially fixed to one end of said tubular guide (31) and a second sleeve (41) with a  
15 complementary inclined end (41a) is counterposed to the first and coaxially integral with one end of said pin (10), said pull wire (42) being connected to the other end of said pin and elastic means (43) being interposed between this latter end of said pin and the end of said tubular guide (31) opposite to the  
20 one to which said first sleeve (40) is attached.

Claim 28.(new) A seat in accordance with Claim 20, wherein said supporting structure has parts (2, 3) integral with said saddle support (1) and parts (25)  
25 integral with said upright (11), the part integral with said upright being provided with longitudinal linkage elements (25) rigidly connected to said upright and converging onto two coaxially opposed pins (23, 24) that are rotatably connected to the  
30 part of the supporting structure rigidly connected to said rotatively soft support.

Claim 29. (new) A seat in accordance with claim 21, wherein said means for locking the oscillation of the  
35 pin also make it possible to regulate the amplitude of the oscillation and comprise two sleeves (50, 51) with inclined ends (50a, 51a) coaxially fixed to the two ends of said tubular guide (31) two corresponding

sleeves (52, 53) with complementary inclined ends (52a, 53a) being coaxially fixed to the ends of said pin (10), there being provided a remote manually actuated tension cable (54, 55) and has its ends  
5 connected to the ends of said pin, said tension cable being slidably supported said upright, so that pulling said tension cable in one direction or the other will cause said pin to slide relatively forward or backward until it reaches the two limit positions  
10 of complete forward displacement or complete rearward displacement of the seat in which the respective pairs of the inclined ends of said sleeves constitute perfect fits, thus preventing any relative rotation, whereas in the intermediate position relative  
15 rotation is possible with an increasing amplitude that depends on the distance between said inclined ends of said sleeves.

Claim 30. (new) A seat in accordance with claim 29,  
20 wherein from said pin (10) there extends a tooth (57) that projects within a longitudinal slot provided on said tubular guide (31) capable of becoming engaged with a vault delimited by an arcuate portion (30a) bridging said tubular guide to prevent the rotation  
25 of said pin in an intermediate position between said extreme forward position of the seat and its extreme rearward position.

Claim 31. (new) A seat in accordance with claim 1,  
30 wherein said pin (10) is slidably and rotatably engaged in a longitudinal groove (62) integral with said supporting structure (2), there being provided, integral with said structure (2), pulling means (63, 64) for controlling the sliding in both directions  
35 and means (65) for locking the oscillation.

Claim 32. (new) A seat in accordance with claim 31, wherein said means for controlling the oscillation

comprise a radial rib (66) arranged between two walls (68, 71, 72) situated at a gradually variable distance from each other.

- 5 Claim 33. (new) A seat in accordance with claim 32, wherein said walls situated at a gradually variable distance from each other consist of a flared groove (67) of a substantially triangular section provided in a small block (68) that can slide with respect to  
10 said pin, said rib (66) being engaged in said groove.

- Claim 34. (new) A seat in accordance with claim 32, wherein said walls situated at a gradually variable distance from each other consist of the ends of two  
15 setting screws (72, 73) axially facing to each other and screwed into walls integral with said structure (2).

- Claim 35. (new) A seat in accordance with claim 32,  
20 wherein said means for controlling the oscillation comprise a longitudinal groove (73) provided on said pin (10) and a prismatic tooth (74) of a substantially triangular section that can gradually become engaged within said groove (73).

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